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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

01/27/2010

COOPER & DUNHAM, LLP 30 Rockefeller Plaza 20th Floor NEW YORK, NY 10112

EXAMINER				
WHITEMAN, BRIAN A				
ART UNIT	PAPER NUMBER			

1635

DATE MAILED: 01/27/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,070	08/22/2003	Michael Wayne Graham 07	/63/74768-BA-PCT-US/JPW/	8796

TITLE OF INVENTION: CONTROL OF GENE EXPRESSION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	04/27/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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20th Floor	Resu		add trar	ressed to the Mail smitted to the USP	Stop ГО (57	ISSUE FEE address 1) 273-2885, on the da	above, or being facsimile at a indicated below.
NEW YORK, N	Y 10112						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/646,070	08/22/2003		Michael Wayne Graham	07	53/747	68-BA-PCT-US/JPW/	8796
APPLN. TYPE	: CONTROL OF GENE SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUI		TOTAL FEE(S) DUE	DATE DUE
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nonprovisional	YES	\$755 	\$300	\$0 •		\$1055	04/27/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS]			
WHITEMAN	·	1635	514-044000				
. Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up to or agents OR, alternati (2) the name of a sing registered attorney or	ne of a single firm (having as a member a attorney or agent) and the names of up to dispatent attorneys or agents. If no name is			
PLEASE NOTE: Unl	less an assignee is identi h in 37 CFR 3.11. Comp	fied below, no assignee	THE PATENT (print or ty data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assign assignment.			ocument has been filed for
lease check the appropri	iate assignee category or	categories (will not be pr	inted on the patent):	Individual 🖵 Co	rporati	on or other private gro	up entity Government
a. The following fee(s) a			D. Payment of Fee(s): (Plead of A check is enclosed.				shown above)
	To small entity discount p		Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any				
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_ ` .	tus (from status indicated s SMALL ENTITY statu		b. Applicant is no lon	ger claiming SMAI	L EN	ΓΙΤΥ status. See 37 CF	FR 1.27(g)(2).
OTE: The Issue Fee and iterest as shown by the i	d Publication Fee (if requ records of the United Sta	nired) will not be accepted tes Patent and Trademark	d from anyone other than				e assignee or other party in
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10/646,070	08/22/2003	Michael Wayne Graham 07	63/74768-BA-PCT-US/JPW	/ 8796
23432 75	590 01/27/2010		EXAM	INER
COOPER & DU	NHAM, LLP		WHITEMAI	N, BRIAN A
30 Rockefeller Pla	za		ART UNIT	PAPER NUMBER
20th Floor NEW YORK, NY 10112			1635 DATE MAILED: 01/27/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/646,070	GRAHAM ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Brian Whiteman	1635	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT IN of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet w. S (OR REMAINS) CLOSED in S) or other appropriate comm RIGHTS. This application is	ith the correspondence address n this application. If not included unication will be mailed in due cou	ırse. THIS
1. \boxtimes This communication is responsive to <u>the amendment filed</u>	d on 7/17/09 and terminal dis	<u>claimer filed on 12/14/09</u> .	
2. X The allowed claim(s) is/are 48,110,114-135,139,140 and	<u>145-152</u> .		
 Acknowledgment is made of a claim for foreign priority of a)	ve been received. ve been received in Application ocuments have been received " of this communication to file MENT of this application. mitted. Note the attached EX	on No. <u>09/100,812</u> . d in this national stage application e a reply complying with the require AMINER'S AMENDMENT or NOT	ements
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.		
(a) 🔲 including changes required by the Notice of Draftspe	rson's Patent Drawing Revie	w (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	_·		
(b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on t	he drawings in the front (not the ba	ck) of
6. ☐ DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MAT	ERIAL must be submitted. Note	e the
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08),	6. ☐ Interview S Paper No. 7. ☑ Examiner's	nformal Patent Application ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allowa 	nce

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gary Gershik on 1/20/10.

The application has been amended as follows:

Specification:

The term -- (now ABANDONED) – has been inserted after the term 2000 on line 2 of page 1.

Claims

The term "prokaryotes or" in line 5 has been removed from claim 110.

The term "in cell" on line 2 of claim 133 has been removed.

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EXAMINER'S COMMENTS

Election/Restrictions

Claims 48, 110, 114-135, and 146-149 are directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B), claims 139, 140, 145, and 150-152, directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on 10/15/04 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Whiteman whose telephone number 571-272-0764. The examiner can normally be reached on from 6:30 to 4:00 (Eastern Standard Time). The examiner can also be reached on alternate Fridays.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's acting supervisor Tracy Vivlemore can be reached on 571-272-2914. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Brian Whiteman/ Primary Examiner, Art Unit 1635